

SEALED SOURCE SAFETY ANALYSIS

Date: 5/31/2012

SRS ID Number: 200839

Department/Division: PO

Building: 901

	Nuclide 1	Nuclide 2	Nuclide 3	Nuclide 4	Nuclide 5
Nuclide	Ba-133				
Original Activity (μCi)	9.71				
Present Activity (μCi)	2.23				

Manufacturer/Model: Unknown / Unknown

Assay Date: 2/1/1990

Date of Certification: NA

Special Form Certificate: NA

Expiration Date: NA

Recommended Working Life (RWL): 5

RWL Basis (Certificate/Default): Default

Years in Service: 22

Requesting RWL extension: YES

Total number of extensions, including this request (if applicable): 4

ANSI/ISO Certificate Number: NA

Temperature	External Pressure	Impact	Vibration	Puncture	Bending

Photograph File Name(s): 200839120518

Results of visual inspection: Source encapsulation appears to be intact and in acceptable condition.

Source Application/Use: Detector response and energy or efficiency calibrations.

Restrictions/Limitations: This source may be used only under conditions typical of a working office or laboratory environment, e.g., room temperature and standard ambient atmospheric pressure; it should not be subjected to unusual mechanical or environmental stresses, such as impacts, vibration or abrasion; it should not be exposed to moisture, corrosive materials or corrosive liquids. The source may not be transported to other locations by the end user. Operations that deviate from these restrictions require the approval of the Department/Division head and the RCD Manager.

Approvals

Department Source Custodian: _____

Department/Division: _____

RCD Manager (if applicable): _____

CAUTION



**RADIOACTIVE
MATERIAL**

Radiation Level 8.7 / 0.1 mR/hr @ contact / 3

Contamination Level (internal) ND dpm/

Contamination Level (external) NA dpm

Surveyor: VIGNOLA Date 3/3

Material Description Ba¹³³ 200839
2.48 µCi

Radiation Instrument- Type, S/N & Cal. Due date
R020 3009 12/20/11

Contamination Instrument- Type, S/N & Cal. Due date
16NN 0719330 1/18/11



BNL-RCD 200839